Sebastin Urrutia

List of Publications by Year in Descending Order

39 papers	570 citations	12 h-index	23 g-index
43 ext. papers	671 ext. citations	2.7 avg, IF	3.96 L-index

#	Paper	IF	Citations
39	Delayed improvement local search. *Journal of Heuristics*, **2021**, 27, 923	1.9	
38	Recoloring subgraphs of K2n for sports scheduling. *Theoretical Computer Science*, **2021**, 877, 36-45	1.1	0
37	Valid inequalities and branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. *European Journal of Operational Research*, **2021**, 300, 207-207	5.6	0
36	Extended high dimensional indexing approach for reachability queries on very large graphs. *Expert Systems With Applications*, **2021**, 181, 114962	7.8	1
35	Gamma deployment problem in grids: hardness and new integer linear programming formulation. *International Transactions in Operational Research*, **2020**, 27, 2740-2759	2.9	
34	Branch-and-cut algorithms for the -arborescence star problem. *International Transactions in Operational Research*, **2020**,	2.9	2
33	One-Sided Weak Dominance Drawing. *Theoretical Computer Science*, **2019**, 757, 36-43	1.1	2
32	Formulations and algorithms for the Pickup and Delivery Traveling Salesman Problem with Multiple Stacks. *Computers and Operations Research*, **2018**, 93, 1-14	4.6	6
31	What are the worst cases in constrained Last-In-First-Out pick-up and delivery problems?. *European Journal of Operational Research*, **2018**, 270, 430-434	5.6	2
30	New formulation and branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. *International Transactions in Operational Research*, **2017**, 24, 77-98	2.9	11
29	A new neighborhood structure for round robin scheduling problems. *Computers and Operations Research*, **2016**, 70, 127-139	4.6	4
28	Combinatorial Relaxation Bounds and Preprocessing for Berth Allocation Problems. *Electronic Notes in Discrete Mathematics*, **2016**, 55, 85-88	0.3	
27	Edge coloring: A natural model for sports scheduling. *European Journal of Operational Research*, **2016**, 254, 1-8	5.6	11
26	Sports scheduling search space connectivity: A riffle shuffle driven approach. *Discrete Applied Mathematics*, **2016**, 211, 113-120	1	3
25	A dynamic programming based local search approach for the double traveling salesman problem with multiple stacks. *International Transactions in Operational Research*, **2015**, 22, 61-75	2.9	13
24	On the maximum acyclic subgraph problem under disjunctive constraints. *Information Processing Letters*, **2015**, 115, 119-124	0.8	2
23	A branch and cut algorithm for minimum spanning trees under conflict constraints. *Optimization Letters*, **2015**, 9, 41-55	1.1	20

22	Characterizing acyclic graphs by labeling edges. *Discrete Applied Mathematics*, **2014**, 164, 492-499	1	
21	An ILS heuristic for the traveling tournament problem with predefined venues. *Annals of Operations Research*, **2012**, 194, 137-150	3.2	11
20	Scheduling the Brazilian Soccer Tournament: Solution Approach and Practice. *Interfaces*, **2012**, 42, 260-272	2.7	17
19	A New Formulation for Spanning Trees. *Electronic Notes in Discrete Mathematics*, **2011**, 37, 195-200	0.3	
18	A Framework for Scheduling Professional Sports Leagues **2010**,		6
17	Scheduling in sports: An annotated bibliography. *Computers and Operations Research*, **2010**, 37, 1-19	4.6	146
16	Organising metabolic networks: Cycles in flux distributions. *Journal of Theoretical Biology*, **2010**, 265, 250-60	2.3	7
15	A General VNS heuristic for the traveling salesman problem with time windows. *Discrete Optimization*, **2010**, 7, 203-211	1	50
14	Discrete optimization methods to determine trajectories for Dubinsavehicles. *Electronic Notes in Discrete Mathematics*, **2010**, 36, 17-24	0.3	15
13	The traveling tournament problem with predefined venues. *Journal of Scheduling*, **2009**, 12, 607-622	1.6	12
12	A multi-agent framework to build integer programming applications to playoff elimination in sports tournaments. *International Transactions in Operational Research*, **2008**, 15, 739-753	2.9	2
11	An efficient implementation of a VNS/ILS heuristic for a real-life car sequencing problem. *European Journal of Operational Research*, **2008**, 191, 596-611	5.6	20
10	A hybrid heuristic for a multi-objective real-life car sequencing problem with painting and assembly line constraints. *European Journal of Operational Research*, **2008**, 191, 981-992	5.6	28
9	A New Lower Bound to the Traveling Tournament Problem **2007**,		10
8	A Hybrid ILS Heuristic to the Referee Assignment Problem with an Embedded MIP Strategy **2007**, 82-95		12
7	Heuristics for the mirrored traveling tournament problem. *European Journal of Operational Research*, **2007**, 179, 775-787	5.6	75
6	Exploring Grid Implementations of Parallel Cooperative Metaheuristics **2007**, 297-322		4
5	Maximizing breaks and bounding solutions to the mirrored traveling tournament problem. *Discrete Applied Mathematics*, **2006**, 154, 1932-1938	1	25